

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query                                                                                                                                                                                                                                              | DBs                                                   | Default Operator | Plurals | Time Stamp       |
|-------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|------------------|---------|------------------|
| L5    | 13   | ((("6324042") or ("9628846") or ("5430645") or ("6424158") or ("6316914") or ("6008652") or ("2005218902")).PN. or (19/638324).APP.                                                                                                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2012/02/13 07:25 |
| S1    | 117  | battery and charg\$3 and display and (micro\$1processor or micro\$1computer or C\$1P\$1U\$1) and ((test\$3 or monitor\$3 or detect\$3 or sens\$3 or measur\$3) with battery) and ((test\$3 or detect\$3) with starter) and (vehicle or car or automobile) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/12/06 15:51 |
| S2    | 19   | S1 and conductance and resistance and impedance and admittance                                                                                                                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/10/15 20:18 |
| S3    | 68   | S1 and cranking                                                                                                                                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/10/15 20:18 |
| S4    | 31   | S1 and (bad with (battery or cell))                                                                                                                                                                                                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/10/15 20:19 |
| S5    | 59   | S1 and (idle or quiescent or (no with load))                                                                                                                                                                                                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/11/15 08:54 |
| S6    | 87   | S1 and temperature                                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/10/15 20:20 |
| S7    | 11   | S1 and (surface with charge)                                                                                                                                                                                                                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/10/15 20:21 |
| S8    | 6    | S2 and S3 and S4 and S5 and S6 and                                                                                                                                                                                                                        | US-                                                   | OR               | ON      | 2006/10/15       |

|     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           |    |     |                     |
|-----|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----|-----|---------------------|
|     |     | S7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT        |    |     | 20:21               |
| S10 | 816 | (324/426).OCLS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/11/16<br>15:18 |
| S11 | 9   | ((("6885195") or ("6445158") or<br>("6351102") or ("6091245") or<br>("6051976"))).PN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/11/24<br>16:10 |
| S12 | 11  | (micro\$1processor or micro\$1computer<br>or CPU or micro\$1controller) and<br>(battery or accumulator) and (test\$3 or<br>measur\$3 or sens\$3 or monitor\$3) and<br>starter and display and (conductance or<br>resistance or impedance or admittance)<br>and ((cranking with voltage) or CCV)<br>and (idl\$3 or quiescent or parked) and<br>load and temperature and (capacity or<br>SOC or state\$1of\$1charge) and rating<br>and (faulty or bad or replace) and (good<br>or recharge or fully) and<br>(analog\$1to\$1digital or A\$1D) and<br>(amplifier or boost or flyback) and<br>(vehicle or car or automobile or<br>transportation)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/11/24<br>16:21 |
| S13 | 279 | ("2514745"   "3356936"   "3562634"  <br>"3593099"   "3607673"   "3676770"  <br>"3729989"   "3753094"   "3808522"  <br>"3811089"   "3873911"   "3876931"  <br>"3886443"   "3889248"   "3906329"  <br>"3909708"   "3936744"   "3946299"  <br>"3947757"   "3969667"   "3979664"  <br>"3984762"   "3984768"   "3989544"  <br>"4008619"   "4024953"   "4053824"  <br>"4070624"   "4086531"   "4112351"  <br>"4114083"   "4126874"   "4178546"  <br>"4193025"   "4207611"   "4217645"  <br>"4315204"   "4316185"   "4322685"  <br>"4363407"   "4369407"   "4379989"  <br>"4379990"   "4390828"   "4392101"  <br>"4396880"   "4408157"   "4412169"  <br>"4423378"   "4423379"   "4424491"  <br>"4459548"   "4514694"   "4520353"  <br>"4633418"   "4659977"   "4663580"  <br>"4667143"   "4667279"   "4678998"  <br>"4679000"   "4680528"   "4697134"  <br>"4707795"   "4709202"   "4710861"  <br>"4719428"   "4743855"   "4745349"  <br>"4816768"   "4820966"   "4825170"  <br>"4847547"   "4849700"   "4876495"  <br>"4881038"   "4912416"   "4913116"  <br>"4929931"   "4931738"   "4937528"  <br>"4947124"   "4956597"   "4968941"  <br>"4968942"   "5004979"   "5032825"  <br>"5047722"   "5087881"   "5126675" | US-<br>PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2006/11/24<br>16:26 |

|     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                  |    |    |                     |
|-----|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----|----|---------------------|
|     |     | "5140269"   "5144218"   "5144248"  <br>"5160881"   "5170124"   "5179335"  <br>"5204611"   "5214370"   "5214385"  <br>"5241275"   "5254952"   "5266880"  <br>"5281919"   "5281920"   "5295078"  <br>"5298797"   "5300874"   "5302902"  <br>"5315287"   "5321626"   "5331268"  <br>"5336993"   "5338515"   "5339018"  <br>"5343380"   "5347163"   "5352968"  <br>"5365160"   "5365453"   "5381096"  <br>"5412323"   "5426371"   "5426416"  <br>"5432426"   "5434495").PN. OR<br>("5435185"   "5442274"   "5445026"  <br>"5449996"   "5449997"   "5451881"  <br>"5457377"   "5469043"   "5485090"  <br>"5488300"   "5519383"   "5528148"  <br>"5537967"   "5546317"   "5548273"  <br>"5550485"   "5561380"   "5562501"  <br>"5572136"   "5574355"   "5583416"  <br>"5585728"   "5589757"   "5592093"  <br>"5596260"   "5598098"   "5602462"  <br>"5606242"   "5621298"   "5633985"  <br>"5642031"   "5650937"   "5652501"  <br>"5656920"   "5675234"   "5677077"  <br>"5699050"   "5701089"   "5705929"  <br>"5710503"   "5717336"   "5717937"  <br>"5739667"   "5747909"   "5757192"  <br>"5760587"   "5773978"   "5789899"  <br>"5793359"   "5808469"   "5821756"  <br>"5825174"   "5831435"   "5862515"  <br>"5872443"   "5895440"   "5914605"  <br>"5929609"   "5939855"   "5939861"  <br>"5945829"   "5969625"   "6002238"  <br>"6008652"   "6009369"   "6031354"  <br>"6037751"   "6037777"   "6051976"  <br>"6072299"   "6072300"   "6081098"  <br>"6091245"   "6094033"   "6104167"  <br>"6114834"   "6137269"   "6150793"  <br>"6163156"   "6172483"   "6172505"  <br>"6222369"   "6225808"   "6249124"  <br>"6250973"   "6254438"   "6259254"  <br>"6262563"   "6294896"   "6294897"  <br>"6304087"   "6310481"   "6313607"  <br>"6313608"   "6316914"   "6323650"  <br>"6329793"   "6331762"   "6332113"  <br>"6351102").PN. OR ("6445158").URPN. |                                  |    |    |                     |
| S14 | 56  | ("4937528"   "5321627"   "5381096"  <br>"5404106"   "5635842"   "5672951"  <br>"5680050"   "5705929"   "5721688"  <br>"5744962"   "5751217"   "5761072"  <br>"5828218"   "5900734"   "6091228"  <br>"6097193").PN. OR ("6424157").URPN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/11/24<br>16:27 |
| S15 | 256 | ("2514745"   "3356936"   "3562634"  <br>"3593099"   "3607673"   "3676770"  <br>"3729989"   "3753094"   "3808522"  <br>"3811089"   "3873911"   "3876931"  <br>"3886443"   "3889248"   "3906329"  <br>"3909708"   "3936744"   "3946299"  <br>"3947757"   "3969667"   "3979664"  <br>"3984762"   "3984768"   "3989544"  <br>"4008619"   "4024953"   "4053824"  <br>"4070624"   "4086531"   "4112351"  <br>"4114083"   "4126874"   "4178546"  <br>"4193025"   "4207611"   "4217645"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/11/24<br>16:27 |

|     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                  |    |    |                     |
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|     |     | "4315204"   "4316185"   "4322685"  <br>"4363407"   "4369407"   "4379990"  <br>"4390828"   "4392101"   "4396880"  <br>"4408157"   "4412169"   "4423378"  <br>"4423379"   "4424491"   "4459548"  <br>"4514694"   "4520353"   "4633418"  <br>"4659977"   "4667279"   "4678998"  <br>"4679000"   "4697134"   "4707795"  <br>"4709202"   "4710861"   "4719428"  <br>"4743855"   "4745349"   "4816756"  <br>"4816768"   "4820966"   "4825170"  <br>"4849700"   "4876495"   "4881038"  <br>"4912416"   "4913116"   "4929931"  <br>"4931738"   "4937528"   "4947124"  <br>"4956597"   "4968941"   "4968942"  <br>"5004979"   "5032825"   "5047722"  <br>"5087881"   "5126675"   "5140269"  <br>"5144218"   "5144248"   "5160881"  <br>"5170124"   "5179335"   "5204611"  <br>"5214370"   "5214385"   "5241275"  <br>"5254952"   "5266880"   "5281919"  <br>"5281920"   "5295078"   "5298797"  <br>"5300874"   "5302902"   "5315287"  <br>"5321626"   "5331268"   "5336993"  <br>"5338515"   "5339018"   "5343380"  <br>"5347163"   "5352968"   "5365160"  <br>"5365453"   "5381096"   "5412323"  <br>"5426371"   "5426416"   "5432426"  <br>"5434495"   "5442274"   "5449996"  <br>"5449997"   "5451881") .PN. OR<br>("5457377"   "5469043"   "5485090"  <br>"5488300"   "5519383"   "5528148"  <br>"5537967"   "5546317"   "5548273"  <br>"5550485"   "5561380"   "5562501"  <br>"5572136"   "5574355"   "5583416"  <br>"5585728"   "5589757"   "5592093"  <br>"5596260"   "5598098"   "5602462"  <br>"5606242"   "5621298"   "5642031"  <br>"5650937"   "5652501"   "5656920"  <br>"5675234"   "5677077"   "5699050"  <br>"5701089"   "5705929"   "5710503"  <br>"5717336"   "5717937"   "5747909"  <br>"5757192"   "5760587"   "5773978"  <br>"5789899"   "5793359"   "5808469"  <br>"5821756"   "5825174"   "5831435"  <br>"5862515"   "5872443"   "5895440"  <br>"5914605"   "5929609"   "5939855"  <br>"5939861"   "5945829"   "5969625"  <br>"6002238"   "6008652"   "6009369"  <br>"6031354"   "6037751"   "6037777"  <br>"6051976"   "6072299"   "6072300"  <br>"6081098"   "6091245"   "6094033"  <br>"6104167"   "6114834"   "6137269"  <br>"6150793"   "6163156"   "6172483"  <br>"6172505"   "6250973"   "6254438"  <br>"6304087"   "6310481"   "6313607"  <br>"6313608"   "6316914") .PN. OR<br>("6351102") .URPN. |                                  |    |    |                     |
| S16 | 104 | ("3673588"   "4247813"   "4258421"  <br>"4310888"   "4316134"   "4334425"  <br>"4342022"   "4402054"   "4628872"  <br>"4678998"   "4757463"   "4843575"  <br>"4891971"   "4929931"   "4937528"  <br>"4939502"   "4965549"   "4978291"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/11/24<br>16:32 |

|     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                           |    |     |                     |
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|     |     | "4990885"   "5003478"   "5003479"  <br>"5012421"   "5034889"   "5056023"  <br>"5063513"   "5072391"   "5091856").PN.<br>OR ("5450321").URPN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                           |    |     |                     |
| S17 | 357 | (320/104).OCLS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/11/24<br>16:33 |
| S18 | 732 | (320/132).OCLS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/11/24<br>16:55 |
| S20 | 38  | ((("5369364") or ("6016047") or<br>("6215275") or ("6449726") or<br>("6777945") or ("20030194672") or<br>("20030036909") or ("RE37677") or<br>("6091238") or ("5780974") or<br>("5912534") or ("5614788") or<br>("5661368") or ("5081565") or<br>("20040049361") or ("20040051533") or<br>("20040054503") or ("4926330") or<br>("4949046") or ("5321627") or<br>("5872453") or ("6037778") or<br>("6061638") or ("6275008") or<br>("6359442") or ("6384608") or<br>("6388448") or ("6396278") or<br>("6570385") or ("6629054") or<br>("D442503") or ("20020030495") or<br>("4352067") or ("4360780") or<br>("4723656") or ("4874679") or<br>("5432025") or ("5707015")).PN. | US-<br>PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/11/24<br>17:26 |
| S21 | 37  | ((("2514745") or ("3593099") or<br>("3607673") or ("3676770") or<br>("3729989") or ("3753094") or<br>("3808522") or ("3811089") or<br>("3873911") or ("3886443") or<br>("3889248") or ("3906329") or<br>("3909708") or ("3936744") or<br>("3946299") or ("3947757") or<br>("3969667") or ("3979664") or<br>("3984762") or ("3984768") or<br>("4008619") or ("4053824") or<br>("4070624") or ("4086531") or<br>("4112351") or ("4114083") or<br>("4126874") or ("4178546") or<br>("4193025") or ("4207611") or<br>("4315204") or ("4316185") or<br>("4322685") or ("4363407") or<br>("4369407") or ("4412169")).PN.                                                          | US-<br>PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/11/24<br>17:50 |
| S22 | 67  | ((("4390828") or ("4392101") or<br>("4396880") or ("4408157") or<br>("4423378") or ("4423379") or<br>("4424491") or ("4459548") or<br>("4514694") or ("4520353") or<br>("4667279") or ("4678998") or<br>("4679000") or ("4697134") or<br>("4707795") or ("4709202") or<br>("4710861") or ("4719428") or                                                                                                                                                                                                                                                                                                                                                                     | US-<br>PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/11/24<br>18:15 |

|     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                  |    |     |                     |
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|     |    | ("4743855") or ("4816768") or<br>("4820966") or ("4825170") or<br>("4849700") or ("4881038") or<br>("4912416") or ("4929931") or<br>("4931738") or ("4947124") or<br>("4956597") or ("4968941") or<br>("5004979") or ("5032825") or<br>("5047722") or ("5087881") or<br>("5126675") or ("5140269") or<br>("5144248") or ("5170124") or<br>("5204611") or ("5214370") or<br>("5214385") or ("5241275") or<br>("5254952") or ("5281919") or<br>("5281920") or ("5295078") or<br>("5298797") or ("5300874") or<br>("5302902") or ("5331268") or<br>("5336993") or ("5352968") or<br>("5343380") or ("5365160") or<br>("5365453") or ("5381096") or<br>("5426371") or ("5432426") or<br>("5434495") or ("5442274") or<br>("5457377") or ("5449996") or<br>("5449997") or ("5485090") or<br>("5519383") or ("5528148") or<br>("5550485") or ("5561380")).PN.                                                                                                                         |                                  |    |     |                     |
| S23 | 57 | ((("5562501") or ("5572136") or<br>("5574355") or ("5585728") or<br>("5592093") or ("5596260") or<br>("5598098") or ("5602462") or<br>("5606242") or ("5621298") or<br>("5642031") or ("5650937") or<br>("5652501") or ("5675234") or<br>("5677077") or ("5699050") or<br>("5701089") or ("5717336") or<br>("5757192") or ("5773978") or<br>("5789899") or ("5793359") or<br>("5821756") or ("5831435") or<br>("5872443") or ("5914605") or<br>("5945829") or ("3356936") or<br>("5488300") or ("6002238") or<br>("6037777") or ("6051976") or<br>("6081098") or ("6091245") or<br>("6104167") or ("6137269") or<br>("3562634") or ("4379990") or<br>("5144218") or ("5315287") or<br>("5469043") or ("5546317") or<br>("5583416") or ("5589757") or<br>("5656920") or ("5710503") or<br>("5760587") or ("5808469") or<br>("6008652") or ("6009369") or<br>("6031354") or ("6037751") or<br>("6072299") or ("6094033") or<br>("6163156") or ("6172483") or<br>("6172505"))).PN. | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/11/25<br>18:09 |
| S24 | 74 | ((("3989544") or ("4745349") or<br>("4876495") or ("4937528") or<br>("4968942") or ("5179335") or<br>("5266880") or ("5451881") or<br>("5705929") or ("5717937") or<br>("5862515") or ("5895440") or<br>("5929609") or ("6072300") or<br>("4659977") or ("4913116") or<br>("5160881") or ("5338515") or<br>("5537967") or ("5548273") or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/11/25<br>19:02 |

|     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                  |    |     |                     |
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|     |    | ("5747909") or ("6114834") or<br>("6150793") or ("3876931") or<br>("5347163") or ("5939861") or<br>("5339018") or ("5412323") or<br>("5426416") or ("5825174") or<br>("5939855") or ("5254952") or<br>("4217645") or ("4633418") or<br>("5321626") or ("5969625") or<br>("6222369") or ("6225808") or<br>("6249124") or ("6259254") or<br>("6262563") or ("6294896") or<br>("6294897") or ("4379989") or<br>("4680528") or ("5633985") or<br>("5739667") or ("4024953") or<br>("6250973") or ("6254438") or<br>("6304087") or ("6310481") or<br>("6313607") or ("6313608") or<br>("63i6914") or ("5435185") or<br>("5445026") or ("4667143") or<br>("4847547") or ("5574355") or<br>("4663580") or ("6323650") or<br>("6329793") or ("6331762") or<br>("6332113") or ("4297639") or<br>("5653659") or ("6161640") or<br>("4351405") or ("6359441") or<br>("4047091") or ("5653659") or<br>("5637978") or ("5095223") or<br>("5194799") or ("5754417")).PN. |                                  |    |     |                     |
| S25 | 51 | ((("5818234") or ("6140797") or<br>("6181545") or ("6346795") or<br>("6347958") or ("6351102") or<br>("6359441") or ("6363303") or<br>("5037778") or ("6144185") or<br>("5711648") or ("5927938") or<br>("5951229") or ("5961561") or<br>("5961604") or ("6236332") or<br>("6351102") or ("5821757") or<br>("6167349") or ("4665370") or<br>("4361809") or ("6392414") or<br>("6417669") or ("6424158") or<br>("6441585") or ("6445158") or<br>("6384608") or ("6388448") or<br>("6307349") or ("6411098") or<br>("6456045") or ("6466025") or<br>("6466026") or ("4564798") or<br>("5563496") or ("5796239") or<br>("4888716") or ("6495990") or<br>("4385269") or ("4686442") or<br>("6061638") or ("6359442") or<br>("5541489") or ("6424157") or<br>("6534993") or ("6544078") or<br>("6556019") or ("6566883") or<br>("6586941") or ("6597150") or<br>("20020171428") or ("6263268"))).PN.                                                            | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/11/25<br>19:05 |
| S26 | 70 | ((("5410754") or ("5654623") or<br>("6055468") or ("20030025481") or<br>("5313152") or ("20030184306") or<br>("20040000891") or ("3750011") or<br>("5159272") or ("5325041") or<br>("6526361") or ("6667624") or<br>("20020010558") or ("20020176010") or<br>("3652341") or ("5747967") or<br>("6628011") or ("5780980") or<br>("5412308") or ("6222342") or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/11/25<br>19:11 |

|     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                           |    |     |                     |
|-----|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----|-----|---------------------|
|     |     | ("6679212") or ("5850113") or<br>("6242887") or ("6238253") or<br>("4056764") or ("6005759") or<br>("6064372") or ("5323337") or<br>("5978805") or ("6600815") or<br>("4933845") or ("6618644") or<br>("5982138") or ("4620767") or<br>("4934957") or ("5772468") or<br>("5108320") or ("5453027") or<br>("5865638") or ("3796124") or<br>("4280457") or ("4160916") or<br>("6356042") or ("6259170") or<br>("6081109") or ("6031368") or<br>("6211651") or ("6046514") or<br>("6531848") or ("4023882") or<br>("2000665") or ("6158000") or<br>("5745044") or ("5578915") or<br>("5592094") or ("6275008") or<br>("5872453") or ("5321627") or<br>("4949046") or ("4926330") or<br>("20020050163") or ("20030184262") or<br>("20040000891") or ("20040000590") or<br>("20040000893") or ("20040000913") or<br>("20040000915") or ("20040002824") or<br>("20040002825") or<br>("20040002836")).PN. |                                                           |    |     |                     |
| S29 | 10  | ((("6215275") or ("5831435") or<br>("6016047") or ("6449726") or<br>("20030184262"))).PN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/12/05<br>17:42 |
| S30 | 121 | battery and charg\$3 and display and<br>(micro\$1processor or micro\$1computer<br>or C\$1P\$1U\$1) and ((test\$3 or<br>monitor\$3 or detect\$3 or sens\$3 or<br>measur\$3) with battery) and ((test\$3 or<br>detect\$3) with starter) and (vehicle or<br>car or automobile)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/12/06<br>15:52 |
| S31 | 9   | ((("6885195") or ("6445158") or<br>("6351102") or ("6091245") or<br>("6051976"))).PN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/12/06<br>15:52 |
| S32 | 38  | ((("5369364") or ("6016047") or<br>("6215275") or ("6449726") or<br>("6777945") or ("20030194672") or<br>("20030036909") or ("RE37677") or<br>("6091238") or ("5780974") or<br>("5912534") or ("5614788") or<br>("5661368") or ("5081565") or<br>("20040049361") or ("20040051533") or<br>("20040054503") or ("4926330") or<br>("4949046") or ("5321627") or<br>("5872453") or ("6037778") or<br>("6061638") or ("6275008") or<br>("6359442") or ("6384608") or<br>("6388448") or ("6396278") or<br>("6570385") or ("6629054") or<br>("D442503") or ("20020030495") or<br>("4352067") or ("4360780") or<br>("4723656") or ("4874679") or                                                                                                                                                                                                                                                           | US-<br>PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/12/06<br>15:52 |



|     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                  |    |     |                     |
|-----|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----|-----|---------------------|
|     |    | ("5432025") or ("5707015")).PN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                  |    |     |                     |
| S33 | 37 | ((("2514745") or ("3593099") or ("3607673") or ("3676770") or ("3729989") or ("3753094") or ("3808522") or ("3811089") or ("3873911") or ("3886443") or ("3889248") or ("3906329") or ("3909708") or ("3936744") or ("3946299") or ("3947757") or ("3969667") or ("3979664") or ("3984762") or ("3984768") or ("4008619") or ("4053824") or ("4070624") or ("4086531") or ("4112351") or ("4114083") or ("4126874") or ("4178546") or ("4193025") or ("4207611") or ("4315204") or ("4316185") or ("4322685") or ("4363407") or ("4369407") or ("4412169")).PN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/12/06<br>15:52 |
| S34 | 67 | ((("4390828") or ("4392101") or ("4396880") or ("4408157") or ("4423378") or ("4423379") or ("4424491") or ("4459548") or ("4514694") or ("4520353") or ("4667279") or ("4678998") or ("4679000") or ("4697134") or ("4707795") or ("4709202") or ("4710861") or ("4719428") or ("4743855") or ("4816768") or ("4820966") or ("4825170") or ("4849700") or ("4881038") or ("4912416") or ("4929931") or ("4931738") or ("4947124") or ("4956597") or ("4968941") or ("5004979") or ("5032825") or ("5047722") or ("5087881") or ("5126675") or ("5140269") or ("5144248") or ("5170124") or ("5204611") or ("5214370") or ("5214385") or ("5241275") or ("5254952") or ("5281919") or ("5281920") or ("5295078") or ("5298797") or ("5300874") or ("5302902") or ("5331268") or ("5336993") or ("5352968") or ("5343380") or ("5365160") or ("5365453") or ("5381096") or ("5426371") or ("5432426") or ("5434495") or ("5442274") or ("5457377") or ("5449996") or ("5449997") or ("5485090") or ("5519383") or ("5528148") or ("5550485") or ("5561380")).PN. | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/12/06<br>15:52 |
| S35 | 57 | ((("5562501") or ("5572136") or ("5574355") or ("5585728") or ("5592093") or ("5596260") or ("5598098") or ("5602462") or ("5606242") or ("5621298") or ("5642031") or ("5650937") or ("5652501") or ("5675234") or ("5677077") or ("5699050") or ("5701089") or ("5717336") or ("5757192") or ("5773978") or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/12/06<br>15:52 |

|     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                  |    |     |                     |
|-----|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----|-----|---------------------|
|     |    | ("5789899") or ("5793359") or<br>("5821756") or ("5831435") or<br>("5872443") or ("5914605") or<br>("5945829") or ("3356936") or<br>("5488300") or ("6002238") or<br>("6037777") or ("6051976") or<br>("6081098") or ("6091245") or<br>("6104167") or ("6137269") or<br>("3562634") or ("4379990") or<br>("5144218") or ("5315287") or<br>("5469043") or ("5546317") or<br>("5583416") or ("5589757") or<br>("5656920") or ("5710503") or<br>("5760587") or ("5808469") or<br>("6008652") or ("6009369") or<br>("6031354") or ("6037751") or<br>("6072299") or ("6094033") or<br>("6163156") or ("6172483") or<br>("6172505")).PN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                  |    |     |                     |
| S36 | 74 | ((("3989544") or ("4745349") or<br>("4876495") or ("4937528") or<br>("4968942") or ("5179335") or<br>("5266880") or ("5451881") or<br>("5705929") or ("5717937") or<br>("5862515") or ("5895440") or<br>("5929609") or ("6072300") or<br>("4659977") or ("4913116") or<br>("5160881") or ("5338515") or<br>("5537967") or ("5548273") or<br>("5747909") or ("6114834") or<br>("6150793") or ("3876931") or<br>("5347163") or ("5939861") or<br>("5339018") or ("5412323") or<br>("5426416") or ("5825174") or<br>("5939855") or ("5254952") or<br>("4217645") or ("4633418") or<br>("5321626") or ("5969625") or<br>("6222369") or ("6225808") or<br>("6249124") or ("6259254") or<br>("6262563") or ("6294896") or<br>("6294897") or ("4379989") or<br>("4680528") or ("5633985") or<br>("5739667") or ("4024953") or<br>("6250973") or ("6254438") or<br>("6304087") or ("6310481") or<br>("6313607") or ("6313608") or<br>("6316914") or ("5435185") or<br>("5445026") or ("4667143") or<br>("4847547") or ("5574355") or<br>("4663580") or ("6323650") or<br>("6329793") or ("6331762") or<br>("6332113") or ("4297639") or<br>("5653659") or ("6161640") or<br>("4351405") or ("6359441") or<br>("4047091") or ("5653659") or<br>("5637978") or ("5095223") or<br>("5194799") or ("5754417"))).PN. | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/12/06<br>15:52 |
| S37 | 51 | ((("5818234") or ("6140797") or<br>("6181545") or ("6346795") or<br>("6347958") or ("6351102") or<br>("6359441") or ("6363303") or<br>("5037778") or ("6144185") or<br>("5711648") or ("5927938") or<br>("5951229") or ("5961561") or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/12/06<br>15:52 |

|     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                           |    |     |                     |
|-----|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----|-----|---------------------|
|     |    | ("5961604") or ("6236332") or<br>("6351102") or ("5821757") or<br>("6167349") or ("4665370") or<br>("4361809") or ("6392414") or<br>("6417669") or ("6424158") or<br>("6441585") or ("6445158") or<br>("6384608") or ("6388448") or<br>("6307349") or ("6411098") or<br>("6456045") or ("6466025") or<br>("6466026") or ("4564798") or<br>("5563496") or ("5796239") or<br>("4888716") or ("6495990") or<br>("4385269") or ("4686442") or<br>("6061638") or ("6359442") or<br>("5541489") or ("6424157") or<br>("6534993") or ("6544078") or<br>("6556019") or ("6566883") or<br>("6586941") or ("6597150") or<br>("20020171428") or ("6263268")).PN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                           |    |     |                     |
| S38 | 70 | ((("5410754") or ("5654623") or<br>("6055468") or ("20030025481") or<br>("5313152") or ("20030184306") or<br>("20040000891") or ("3750011") or<br>("5159272") or ("5325041") or<br>("6526361") or ("6667624") or<br>("20020010558") or ("20020176010") or<br>("3652341") or ("5747967") or<br>("6628011") or ("5780980") or<br>("5412308") or ("6222342") or<br>("6679212") or ("5850113") or<br>("6242887") or ("6238253") or<br>("4056764") or ("6005759") or<br>("6064372") or ("5323337") or<br>("5978805") or ("6600815") or<br>("4933845") or ("6618644") or<br>("5982138") or ("4620767") or<br>("4934957") or ("5772468") or<br>("5108320") or ("5453027") or<br>("5865638") or ("3796124") or<br>("4280457") or ("4160916") or<br>("6356042") or ("6259170") or<br>("6081109") or ("6031368") or<br>("6211651") or ("6046514") or<br>("6531848") or ("4023882") or<br>("2000665") or ("6158000") or<br>("5745044") or ("5578915") or<br>("5592094") or ("6275008") or<br>("5872453") or ("5321627") or<br>("4949046") or ("4926330") or<br>("20020050163") or ("20030184262") or<br>("20040000891") or ("20040000590") or<br>("20040000893") or ("20040000913") or<br>("20040000915") or ("20040002824") or<br>("20040002825") or<br>("20040002836")).PN. | US-<br>PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/12/06<br>15:52 |
| S39 | 10 | ((("6215275") or ("5831435") or<br>("6016047") or ("6449726") or<br>("20030184262")).PN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/12/06<br>15:52 |
| S40 | 18 | (S31 or S34 or S33 or S32 or S36 or S37<br>or S38 or S35 or S39) and S30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | US-<br>PGPUB;                                             | OR | ON  | 2006/12/06<br>15:55 |

|     |     |                                                                                                                                                                                                                                                                                                                                                             |                                                           |    |     |                     |
|-----|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----|-----|---------------------|
|     |     |                                                                                                                                                                                                                                                                                                                                                             | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT                  |    |     |                     |
| S41 | 56  | ("4937528"   "5321627"   "5381096"  <br>"5404106"   "5635842"   "5672951"  <br>"5680050"   "5705929"   "5721688"  <br>"5744962"   "5751217"   "5761072"  <br>"5828218"   "5900734"   "6091228"  <br>"6097193").PN. OR ("6424157").URPN.                                                                                                                     | US-<br>PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2006/12/06<br>19:03 |
| S42 | 30  | ("4178546"   "4926330"   "4967143"  <br>"5181858"   "5281919"   "5649001"  <br>"6172505"   "6351102").PN. OR<br>("6570385").URPN.                                                                                                                                                                                                                           | US-<br>PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2006/12/06<br>19:04 |
| S43 | 107 | ("2084086"   "3848181"   "3876931"  <br>"4295097"   "4352067"   "4423379"  <br>"4459548"   "4613822"   "4767977"  <br>"4816768"   "4914383"   "4929931").PN.<br>OR ("5254952").URPN.                                                                                                                                                                        | US-<br>PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2006/12/06<br>19:04 |
| S44 | 606 | (324/427).CCLS.                                                                                                                                                                                                                                                                                                                                             | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/12/06<br>19:19 |
| S45 | 16  | (US-20050017726-\$ or US-<br>20040054503-\$).did. or (US-6051976-\$<br>or US-5426371-\$ or US-6445158-\$ or<br>US-6351102-\$ or US-5450321-\$ or US-<br>6424157-\$ or US-5831435-\$ or US-<br>6215275-\$ or US-6777945-\$ or US-<br>6570385-\$ or US-5254952-\$ or US-<br>6363303-\$ or US-5701089-\$ or US-<br>D354244-\$).did.                            | US-<br>PGPUB;<br>USPAT                                    | OR | ON  | 2006/12/07<br>11:45 |
| S47 | 1   | S45 and display and (micro\$1processor<br>or micro\$1computer or C\$1P\$1U\$1 or<br>micro\$1controller) and battery and<br>starter and (charging with system) and<br>(rating or CCA or crank\$3) and<br>(conductance or resistance or impedance<br>or admittance) and (good or full\$1) and<br>re\$1charge and (bad or replace) and<br>load and temperature | US-<br>PGPUB;<br>USPAT                                    | OR | ON  | 2006/12/07<br>11:52 |
| S48 | 10  | S45 and display and (micro\$1processor<br>or micro\$1computer or C\$1P\$1U\$1 or<br>micro\$1controller) and battery and<br>starter and (charging with system) and<br>(rating or CCA or crank\$3) and<br>(conductance or resistance or impedance<br>or admittance) and load and<br>temperature                                                               | US-<br>PGPUB;<br>USPAT                                    | OR | ON  | 2006/12/07<br>11:52 |
| S49 | 2   | S48 and (idle or quiescent) and (surface<br>with charge)                                                                                                                                                                                                                                                                                                    | US-<br>PGPUB;<br>USPAT                                    | OR | ON  | 2006/12/07<br>11:54 |
| S50 | 8   | S48 and ripple                                                                                                                                                                                                                                                                                                                                              | US-<br>PGPUB;<br>USPAT                                    | OR | ON  | 2006/12/07<br>11:56 |
| S51 | 9   | S48 and (idle or quiescent)                                                                                                                                                                                                                                                                                                                                 | US-<br>PGPUB;<br>USPAT                                    | OR | ON  | 2006/12/07<br>11:59 |

|     |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |    |     |                     |
|-----|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----|-----|---------------------|
| S52 | 2     | S48 and (surface with charge)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | US-<br>PGPUB;<br>USPAT                                    | OR | ON  | 2006/12/07<br>11:55 |
| S53 | 8     | S50 and S51                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | US-<br>PGPUB;<br>USPAT                                    | OR | ON  | 2006/12/07<br>11:55 |
| S54 | 6     | S51 and (portable or hand\$1held)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | US-<br>PGPUB;<br>USPAT                                    | OR | ON  | 2006/12/07<br>12:02 |
| S55 | 30    | ("4178546"   "4926330"   "4967143"  <br>"5181858"   "5281919"   "5649001"  <br>"6172505"   "6351102").PN. OR<br>("6570385").URPN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | US-<br>PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2006/12/07<br>12:01 |
| S56 | 6     | S54 and ripple                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | US-<br>PGPUB;<br>USPAT                                    | OR | ON  | 2006/12/07<br>12:02 |
| S57 | 5     | ((("6885195") or ("6445158") or<br>("6351102") or ("6091245") or<br>("6051976"))).PN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | US-<br>PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/12/07<br>12:46 |
| S58 | 2     | S57 and (display and microprocessor<br>and starter and (charging with<br>system)).clm"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/12/07<br>12:47 |
| S59 | 0     | battery and (micro\$1processor or<br>micro\$1computer or C\$1P\$1U\$1) and<br>charg\$3 and (temperature with input<br>with user) and ((AC or (alternating with<br>current)) with ripple with voltage) and<br>(surface with charge with (sens\$3 or<br>determin\$5 or measur\$3 or detect\$3 or<br>monitor\$3)) and (head\$1lights with<br>(prompt or command or notify) with<br>((switch or turn) with on)) and (print\$3<br>with output) and (diode with ripple with<br>voltage) and ((measur\$3 or detect\$3 or<br>sens\$3 or determin\$3 or monitor\$3) with<br>((AC and DC) with voltage)) and<br>(amplifier with battery with capacitor)<br>and (voltage with (scaling or scaled or<br>scale)) and ((diesel with engine) same<br>((glow with plug) with (warm\$1up or<br>warm or heat\$1up or heat))) | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/12/14<br>13:25 |
| S60 | 1     | battery and (micro\$1processor or<br>micro\$1computer or C\$1P\$1U\$1) and<br>charg\$3 and (temperature with input<br>with user) and ((AC or (alternating with<br>current)) with ripple with voltage) and<br>(surface with charge with (sens\$3 or<br>determin\$5 or measur\$3 or detect\$3 or<br>monitor\$3))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/12/14<br>13:28 |
| S61 | 46624 | battery and (micro\$1processor or<br>micro\$1computer or C\$1P\$1U\$1) and<br>charg\$3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/12/14<br>13:31 |
| S62 | 4895  | S61 and ("320"/\$.ccls. or "324"/\$.ccls. or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | US-                                                       | OR | ON  | 2006/12/14          |

|     |     |                                                                                                                                                                              |                                                           |    |     |                     |
|-----|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----|-----|---------------------|
|     |     | "364"/\$.ccls. or "307"/\$.ccls.)                                                                                                                                            | PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT        |    |     | 13:32               |
| S63 | 7   | S62 and ((AC or (alternating with current)) with ripple with voltage) and (surface with charge with (sens\$3 or determin\$5 or measur\$3 or detect\$3 or monitor\$3))        | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/12/14<br>13:34 |
| S64 | 6   | S63 and ((measur\$3 or detect\$3 or sens\$3 or determin\$3 or monitor\$3) with ((AC and DC) with voltage))                                                                   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/12/14<br>13:33 |
| S65 | 29  | S62 and ((AC or (alternating with current)) with ripple with voltage) and ((measur\$3 or detect\$3 or sens\$3 or determin\$3 or monitor\$3) with ((AC and DC) with voltage)) | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/12/14<br>13:45 |
| S66 | 49  | S62 and (temperature with input with user)                                                                                                                                   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/12/14<br>14:49 |
| S67 | 93  | S62 and (surface with charge with (sens\$3 or determin\$5 or measur\$3 or detect\$3 or monitor\$3))                                                                          | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/12/14<br>14:50 |
| S68 | 7   | S67 and ((glow with plug) or (diesel with engine))                                                                                                                           | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/12/14<br>14:53 |
| S69 | 109 | S62 and ((glow with plug) or (diesel with engine))                                                                                                                           | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/12/14<br>14:53 |
| S70 | 9   | S62 and ((glow with plug) or glow\$1plug or (diesel with engine)) and ((warm\$1up or (warm with up)) same (indicat\$3 or detect\$3 or wait\$3))                              | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/12/14<br>14:55 |
| S71 | 391 | (320/104).CCLS.                                                                                                                                                              | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/07/23<br>10:05 |
| S72 | 795 | (320/132).CCLS.                                                                                                                                                              | US-                                                       | OR | OFF | 2007/07/23          |

|     |       |                                                                                                                                                                                                                                                                             |                                                           |    |     |                     |
|-----|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----|-----|---------------------|
|     |       |                                                                                                                                                                                                                                                                             | PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT        |    |     | 10:05               |
| S73 | 610   | (324/427).OCLS.                                                                                                                                                                                                                                                             | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/07/23<br>10:05 |
| S74 | 98    | (S71 or S72 or S73) and<br>@pd> "20061124"                                                                                                                                                                                                                                  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/07/23<br>10:08 |
| S75 | 137   | battery and charg\$3 and display and<br>(micro\$1processor or micro\$1computer<br>or C\$1P\$1U\$1) and ((test\$3 or<br>monitor\$3 or detect\$3 or sens\$3 or<br>measur\$3) with battery) and ((test\$3 or<br>detect\$3) with starter) and (vehicle or<br>car or automobile) | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/07/23<br>10:08 |
| S76 | 50869 | battery and (micro\$1processor or<br>micro\$1computer or C\$1P\$1U\$1) and<br>charg\$3                                                                                                                                                                                      | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/07/23<br>10:08 |
| S77 | 5199  | S76 and ("320"/\$.ccls. or "324"/\$.ccls. or<br>"364"/\$.ccls. or "307"/\$.ccls.)                                                                                                                                                                                           | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/07/23<br>10:08 |
| S78 | 95    | S77 and (surface with charge with<br>(sens\$3 or determin\$5 or measur\$3 or<br>detect\$3 or monitor\$3))                                                                                                                                                                   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/07/23<br>10:08 |
| S79 | 18    | (S75 or S78) and @pd> "20061124"                                                                                                                                                                                                                                            | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/07/23<br>10:08 |
| S80 | 414   | (320/104).OCLS.                                                                                                                                                                                                                                                             | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/12/09<br>22:00 |
| S81 | 839   | (320/132).OCLS.                                                                                                                                                                                                                                                             | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/12/09<br>22:00 |
|     |       |                                                                                                                                                                                                                                                                             |                                                           |    |     |                     |

|     |       |                                                                                                                                                                                                                                                           |                                                       |    |     |                     |
|-----|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----|-----|---------------------|
| S82 | 610   | (324/427).CCLS.                                                                                                                                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/12/09<br>22:00 |
| S83 | 165   | (S80 or S81 or S82) and @pd> "20061124"                                                                                                                                                                                                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/12/09<br>22:01 |
| S84 | 144   | battery and charg\$3 and display and (micro\$1processor or micro\$1computer or C\$1P\$1U\$1) and ((test\$3 or monitor\$3 or detect\$3 or sens\$3 or measur\$3) with battery) and ((test\$3 or detect\$3) with starter) and (vehicle or car or automobile) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/12/09<br>22:00 |
| S85 | 53633 | battery and (micro\$1processor or micro\$1computer or C\$1P\$1U\$1) and charg\$3                                                                                                                                                                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/12/09<br>22:00 |
| S86 | 5434  | S85 and ("320"/\$.ccls. or "324"/\$.ccls. or "364"/\$.ccls. or "307"/\$.ccls.)                                                                                                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/12/09<br>22:00 |
| S87 | 97    | S86 and (surface with charge with (sens\$3 or determin\$5 or measur\$3 or detect\$3 or monitor\$3))                                                                                                                                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/12/09<br>22:00 |
| S88 | 26    | (S84 or S87) and @pd> "20061124"                                                                                                                                                                                                                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/12/09<br>22:00 |
| S89 | 75    | (S83 or S88) and @pd> = "20070723"                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/12/09<br>22:00 |
| S90 | 27    | ((("20040054503") or ("20040051533") or ("20030088375") or ("5,425,041") or ("20040000891") or ("5,508,599") or ("6,320,351") or ("5,402,007") or ("6,529,723") or ("20020041175") or ("6,177,737") or ("5,684,678"))).PN.                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/06/09<br>09:33 |
| S91 | 24    | ((("20040054503") or ("20040051533") or ("20030088375") or ("5,425,041") or ("20040000891") or ("5,508,599") or ("6,320,351") or ("5,402,007") or ("6,529,723") or ("20020041175") or ("6,177,737") or ("5,684,678"))).PN.                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/06/09<br>09:33 |



|     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                              |    |     |                     |
|-----|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----|-----|---------------------|
| S92 | 77 | ((("4,969,834") or ("4,983,086") or ("4,781,629") or ("4,932,905") or ("4,521,498") or ("6,500,025") or ("4,057,313") or ("3,850,490") or ("6,850,037") or ("6,469,511") or ("6,871,151") or ("6,271,643") or ("6,100,670") or ("5,357,519") or ("6,623,314") or ("4,106,025") or ("6,850,037") or ("6,871,151") or ("6,885,195") or ("6,545,599") or ("6,738,697") or ("4,901,007") or ("20030088375") or ("5,034,893") or ("5,504,674") or ("5,402,007") or ("6,529,723") or ("6,888,468") or ("6,891,378") or ("6,906,522") or ("6,906,523") or ("6,909,287") or ("6,913,483") or ("6,914,413") or ("6,919,725") or ("6,930,485") or ("6,941,234") or ("6,686,542") or ("5,130,658") or ("20040002836") or ("5,903,716") or ("3,267,452") or ("4,907,176") or ("5,168,208") or ("6,904,796") or ("6,906,624") or ("20040145342") or ("20040113588") or ("20050254106") or ("20030169018") or ("6,087,815") or ("6,113,262") or ("6,407,554") or ("6,477,478") or ("6,532,425") or ("6,740,990") or ("6,784,635") or ("7,119,686") or ("4,637,359") or ("6,037,749") or ("5,744,962") or ("5,747,189") or ("20040178185") or ("6,842,707") or ("6,621,272") or ("6,633,165") or ("20040044452") or ("20060089767") or ("6,037,745") or ("6,164,063") or ("20050043868") or ("20060030980") or ("20020004694") or ("6,745,153") or ("6,611,740") or ("20040239332") or ("20050256617") or ("20050182536")).PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2009/03/31<br>18:38 |
| S93 | 81 | ((("5,820,407") or ("6,796,841") or ("6,696,819") or ("6,788,025") or ("6,805,090") or ("4,773,011") or ("5,778,326") or ("5,832,396") or ("5,883,306") or ("5,946,605") or ("20030187556") or ("20030214395") or ("20050102073") or ("20060217914") or ("5,585,416") or ("5,871,858") or ("6,377,031") or ("6,437,957") or ("6,465,908") or ("6,497,209") or ("6,507,196") or ("6,635,974") or ("6,736,941") or ("7,744,149") or ("6,933,727") or ("6,967,484") or ("6,998,847") or ("7,003,410") or ("7,003,411") or ("7,012,433") or ("7,058,525") or ("7,081,755") or ("7,106,070") or ("7,116,109") or ("7,126,341") or ("2,417,940") or ("2,727,221") or ("3,178,686") or ("3,223,969") or ("5,109,213") or ("5,573,611") or ("6,218,936") or ("6,271,748") or ("20020044050") or ("20030009270") or ("6,505,507") or ("6,707,303") or ("6,737,831") or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2009/03/31<br>18:42 |

|      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                       |    |    |                     |
|------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----|----|---------------------|
|      |    | ("6,759,849") or ("6,781,382") or ("6,795,782") or ("6,806,716") or ("5,459,660") or ("6,599,243") or ("20040032264") or ("6,624,635") or ("7,272,519") or ("7,129,706") or ("6,456,036") or ("20040227523") or ("20050017726") or ("5,194,799") or ("4,901,007") or ("3,906,329") or ("5,561,380") or ("5,955,951") or ("6,005,489") or ("6,147,598") or ("20020118111") or ("6,536,536") or ("6,614,349") or ("20030212311") or ("20050021294") or ("6,845,279") or ("20050025299") or ("20050128083") or ("20050159847") or ("20050173142")).PN. |                                                       |    |    |                     |
| S94  | 22 | (US-20050017726-\$ or US-20040054503-\$ or US-20040051533-\$).did. or (US-5450321-\$ or US-6570385-\$ or US-6037749-\$ or US-6215275-\$ or US-6363303-\$ or US-D354244-\$ or US-4876513-\$ or US-6114833-\$ or US-4637359-\$ or US-6445158-\$ or US-6351102-\$ or US-6777945-\$ or US-5831435-\$ or US-6424157-\$ or US-6051976-\$ or US-5254952-\$ or US-5701089-\$ or US-5426371-\$ or US-5402007-\$).did.                                                                                                                                        | US-PGPUB;<br>USPAT                                    | OR | ON | 2010/06/05<br>17:01 |
| S95  | 6  | S94 and (start\$3 near4 voltage) and (crank\$3 near4 voltage)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/06/05<br>17:04 |
| S96  | 5  | S94 and (start\$3 near4 voltage) with low and (crank\$3 near4 voltage) with low                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/06/05<br>17:04 |
| S97  | 5  | S94 and (start\$3 near4 voltage) with low same battery and (crank\$3 near4 voltage) with low same battery                                                                                                                                                                                                                                                                                                                                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/06/05<br>17:05 |
| S98  | 5  | S94 and (start\$3 near4 voltage) with low same battery with (voltage or capacity or low or fully) and (crank\$3 near4 voltage) with low same battery with (voltage or capacity or low or fully)                                                                                                                                                                                                                                                                                                                                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/06/05<br>17:05 |
| S99  | 3  | S98 and (alert or warn or display) with low                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/06/05<br>17:06 |
| S100 | 1  | S94 and (start\$3 near4 voltage) with low same battery with discharged and (crank\$3 near4 voltage) with low same battery with charged                                                                                                                                                                                                                                                                                                                                                                                                              | US-PGPUB;<br>USPAT;<br>USOCR;                         | OR | ON | 2010/06/05<br>17:13 |

|      |     |            |            |           | EPO; JPO;<br>DERWENT             |    |    |                     |
|------|-----|------------|------------|-----------|----------------------------------|----|----|---------------------|
| S101 | 292 | ("2514745" | "3356936"  | "3562634" | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/06/05<br>17:21 |
|      |     | "3593099"  | "3607673"  | "3676770" |                                  |    |    |                     |
|      |     | "3729989"  | "3753094"  | "3808522" |                                  |    |    |                     |
|      |     | "3811089"  | "3873911"  | "3876931" |                                  |    |    |                     |
|      |     | "3886443"  | "3889248"  | "3906329" |                                  |    |    |                     |
|      |     | "3909708"  | "3936744"  | "3946299" |                                  |    |    |                     |
|      |     | "3947757"  | "3969667"  | "3979664" |                                  |    |    |                     |
|      |     | "3984762"  | "3984768"  | "3989544" |                                  |    |    |                     |
|      |     | "4008619"  | "4024953"  | "4053824" |                                  |    |    |                     |
|      |     | "4070624"  | "4086531"  | "4112351" |                                  |    |    |                     |
|      |     | "4114083"  | "4126874"  | "4178546" |                                  |    |    |                     |
|      |     | "4193025"  | "4207611"  | "4217645" |                                  |    |    |                     |
|      |     | "4315204"  | "4316185"  | "4322685" |                                  |    |    |                     |
|      |     | "4363407"  | "4369407"  | "4379990" |                                  |    |    |                     |
|      |     | "4390828"  | "4392101"  | "4396880" |                                  |    |    |                     |
|      |     | "4408157"  | "4412169"  | "4423378" |                                  |    |    |                     |
|      |     | "4423379"  | "4424491"  | "4459548" |                                  |    |    |                     |
|      |     | "4514694"  | "4520353"  | "4633418" |                                  |    |    |                     |
|      |     | "4659977"  | "4667279"  | "4678998" |                                  |    |    |                     |
|      |     | "4679000"  | "4697134"  | "4707795" |                                  |    |    |                     |
|      |     | "4709202"  | "4710861"  | "4719428" |                                  |    |    |                     |
|      |     | "4743855"  | "4745349"  | "4816756" |                                  |    |    |                     |
|      |     | "4816768"  | "4820966"  | "4825170" |                                  |    |    |                     |
|      |     | "4849700"  | "4876495"  | "4881038" |                                  |    |    |                     |
|      |     | "4912416"  | "4913116"  | "4929931" |                                  |    |    |                     |
|      |     | "4931738"  | "4937528"  | "4947124" |                                  |    |    |                     |
|      |     | "4956597"  | "4968941"  | "4968942" |                                  |    |    |                     |
|      |     | "5004979"  | "5032825"  | "5047722" |                                  |    |    |                     |
|      |     | "5087881"  | "5126675"  | "5140269" |                                  |    |    |                     |
|      |     | "5144218"  | "5144248"  | "5160881" |                                  |    |    |                     |
|      |     | "5170124"  | "5179335"  | "5204611" |                                  |    |    |                     |
|      |     | "5214370"  | "5214385"  | "5241275" |                                  |    |    |                     |
|      |     | "5254952"  | "5266880"  | "5281919" |                                  |    |    |                     |
|      |     | "5281920"  | "5295078"  | "5298797" |                                  |    |    |                     |
|      |     | "5300874"  | "5302902"  | "5315287" |                                  |    |    |                     |
|      |     | "5321626"  | "5331268"  | "5336993" |                                  |    |    |                     |
|      |     | "5338515"  | "5339018"  | "5343380" |                                  |    |    |                     |
|      |     | "5347163"  | "5352968"  | "5365160" |                                  |    |    |                     |
|      |     | "5365453"  | "5381096"  | "5412323" |                                  |    |    |                     |
|      |     | "5426371"  | "5426416"  | "5432426" |                                  |    |    |                     |
|      |     | "5434495"  | "5442274"  | "5449996" |                                  |    |    |                     |
|      |     | "5449997"  | "5451881") | PN. OR    |                                  |    |    |                     |
|      |     | ("5457377" | "5469043"  | "5485090" |                                  |    |    |                     |
|      |     | "5488300"  | "5519383"  | "5528148" |                                  |    |    |                     |
|      |     | "5537967"  | "5546317"  | "5548273" |                                  |    |    |                     |
|      |     | "5550485"  | "5561380"  | "5562501" |                                  |    |    |                     |
|      |     | "5572136"  | "5574355"  | "5583416" |                                  |    |    |                     |
|      |     | "5585728"  | "5589757"  | "5592093" |                                  |    |    |                     |
|      |     | "5596260"  | "5598098"  | "5602462" |                                  |    |    |                     |
|      |     | "5606242"  | "5621298"  | "5642031" |                                  |    |    |                     |
|      |     | "5650937"  | "5652501"  | "5656920" |                                  |    |    |                     |
|      |     | "5675234"  | "5677077"  | "5699050" |                                  |    |    |                     |
|      |     | "5701089"  | "5705929"  | "5710503" |                                  |    |    |                     |
|      |     | "5717336"  | "5717937"  | "5747909" |                                  |    |    |                     |
|      |     | "5757192"  | "5760587"  | "5773978" |                                  |    |    |                     |
|      |     | "5789899"  | "5793359"  | "5808469" |                                  |    |    |                     |
|      |     | "5821756"  | "5825174"  | "5831435" |                                  |    |    |                     |
|      |     | "5862515"  | "5872443"  | "5895440" |                                  |    |    |                     |
|      |     | "5914605"  | "5929609"  | "5939855" |                                  |    |    |                     |
|      |     | "5939861"  | "5945829"  | "5969625" |                                  |    |    |                     |
|      |     | "6002238"  | "6008652"  | "6009369" |                                  |    |    |                     |
|      |     | "6031354"  | "6037751"  | "6037777" |                                  |    |    |                     |

|      |     |                                                                                                                                                                                                                                                                                              |                                                       |    |    |                     |
|------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----|----|---------------------|
|      |     | "6051976"   "6072299"   "6072300"  <br>"6081098"   "6091245"   "6094033"  <br>"6104167"   "6114834"   "6137269"  <br>"6150793"   "6163156"   "6172483"  <br>"6172505"   "6250973"   "6254438"  <br>"6304087"   "6310481"   "6313607"  <br>"6313608"   "6316914").PN. OR<br>("6351102").URPN. |                                                       |    |    |                     |
| S102 | 0   | S101 and (start\$3 near4 voltage) with low same battery with discharged and (crank\$3 near4 voltage) with low same battery with charged                                                                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/06/05<br>17:22 |
| S103 | 2   | (start\$3 near4 voltage) with low same battery with discharged and (crank\$3 near4 voltage) with low same battery with charged                                                                                                                                                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/06/05<br>17:23 |
| S104 | 18  | (start\$3 near4 voltage) with low same battery with (message or alert or alarm or display) and (crank\$3 near4 voltage) with low same battery with (message or alert or alarm or display)                                                                                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/06/05<br>17:39 |
| S105 | 1   | bertness-kevin.in.                                                                                                                                                                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/06/05<br>19:00 |
| S106 | 10  | troy-michael.in.                                                                                                                                                                                                                                                                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/06/05<br>19:00 |
| S107 | 199 | bertness-kevin\$-\$\$.in.                                                                                                                                                                                                                                                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/06/05<br>19:00 |
| S108 | 13  | troy-michael\$-\$\$.in.                                                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/06/05<br>19:01 |
| S109 | 7   | S107 and S108                                                                                                                                                                                                                                                                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/06/05<br>19:01 |